THE KINEMATOGRAPH AND LANTERN WEEKLY.

EDITED BY THEODORE BROWN

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Notice.

The Editorial office is 11, Tottenham Street, where the Editor can be seen between the hours of 11 and 12-30 on Mondays and Fridays, and on Wednesdays between 2 and 4 o'clock, or by appointment.

Literary contributions and correspondence should be addressed to the Editor.

All matter and copy of advertisements must be received by first post on Wednesday to insure insertion in Thursday's current issue.

"THE KINEMATOGRAPH WEEKLY,"
9, Tottenham St., London, W.
Telegrams—"Heronicus, London." Telephone—4777 Gerrard.

Kinematograph & Lantern Weekly

JANUARY 9, 1908.

You should start the New Year in the right way

By subscribing 6s. 6d. to the KINEMATOGRAPH WEEKLY—the only weekly in the world devoted to Living Pictures. You can then depend on a copy reaching you every week directly it is published, and thus obtain the latest information.

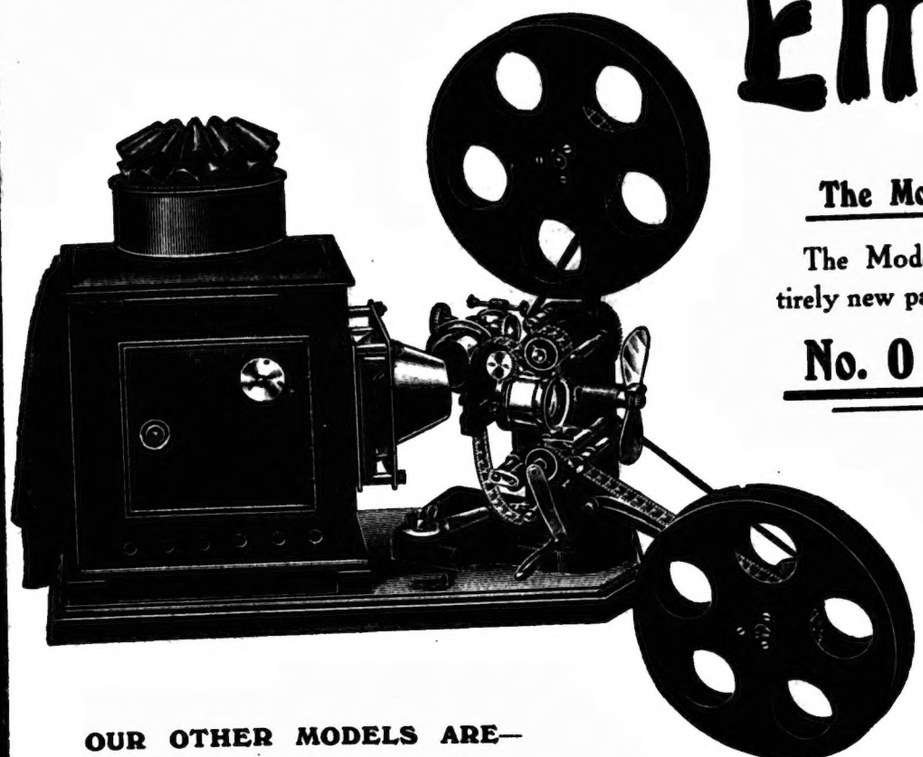
Weaknesses of the Present Living Picture.

Now that the kinematograph is recognised as an essential means of education, it becomes more and more important that manufacturers should attend with the greatest care to see that the optical, chemical and mechanical means employed in the making of film subjects shall be of the most perfect order. Every year the audiences become more critical, and, apart from this fact, it is detrimental to the real progress of scientific knowledge to present subjects in the manner many are shown at the present time. It is apparent that only those persons fully acquainted with all the branches of physical science that are involved, can hope to design instruments that are not only precise but also based on positively correct principles. There are some false effects which constitute the more obvious class—such as the wheels of a vehicle appearing to remain fixed whilst the body makes an onward movement, abnormal speed at which persons in a street are seen to move, giving them the appearance of marionette puppets rather than living beings, and the sudden change of position of persons in a scene due to lack of continuity in the series of successive phases. These and a great many others we might mention are defects too self-evident to call for further comment, and their remedy is likewise easily conceived, with exception, perhaps, of the first-mentioned error.

The Lesser Apparent Defects

Although not noticeable to the casual observer, almost every scene we witness furnishes subject matter for adverse criticism, insomuch as either optical or motional defects are sure to crop up. Perhaps the opening scene of our film subject will show a group of buildings, and it becomes instantly apparent that the lens with which the picture was taken was one totally unsuited to the subject. In a word, a false perspective is indicated by the acute angles, the geometrical vanishing point being much too sudden. There are two strong reasons for objecting to a defect of this character. The first, because it gives an inaccurate idea of the magnitude of the buildings, the proportions of each object in the composition, and the relative distances of one object to another. Second, because false motion is given to figures travelling in a line parallel with the optical axis. The second reason is shown more clearly by the following consideration. The normal angle of the crystaline lens of the human eye is a definite quantity, so that in all eyes objects appear at different distances according to their magnitude one with the other. This, however, is but one of the criteria by which we judge of actual distance in nature. Another one, and one which is of importance to the science of kinematography, consists in the perception of movement and the time taken for any given object to pass from one point to another. If a lens of normal angle has been used on a kinematograph

BUTCHER'S Empires



ARE

The Most Up-to-date Projectors.

The Model we illustrate here is an entirely new pattern this season.

No. 0 Empire, £14 14s.

It is designed to meet the requirements of those exhibitors who cannot run to a high price and yet require a machine which will show a picture as steady as any high-priced instrument. For Fair Grounds and Side Shows it cannot be beaten.

OUR OTHER MODELS ARE—

"Empire" Catalogue on application.

No. 1 Empire - £18 18s. 0d.

No, 2 „ - £35 0s. 0d.

"Empire" Catalogue on application.

FILMS FOR HIRE.

Very few Showmen and Exhibitors in general can afford to buy new films every week. Our extensive Library contains many thousand feet of up-to-date films, and Showmen come to us because they can rely upon filling their programmes with the best films, both as regards subject and quality.

All the latest and best subjects added from time to time.

It will pay you to write for our Hire List.

Terms for Hire over any period.

W. BUTCHER & SONS, Ltd., Camera House, Farringdon Avenue, E.C.

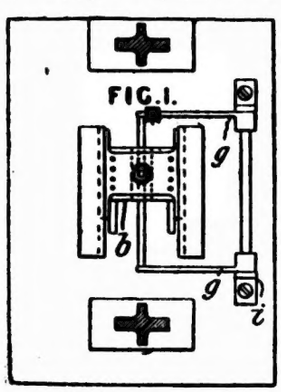
Telegrams: "England, London." **Telephone 1632 Holborn.**

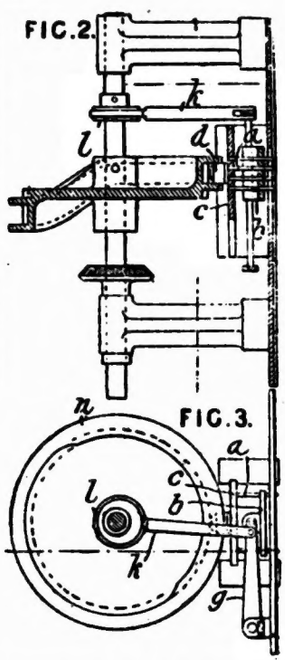
camera, and the subject is a man walking from a distant point towards the instrument, the time taken for the small image of the man to grow approximately equal to the image that would be seen under natural circumstances will likewise be natural and correct. Whereas if the lens of the camera is of such an angle as to produce abrupt perspective, then when the same subject is shown on the screen the man will move with undue rapidity from the distant point to the foreground. In other words, he will appear to be rushing forward with increasing strides, suggesting the absence of phases which would if present satisfy the analysis of natural motion.

The Correct Number of Phases per Second. It is the general practice of film makers to provide sixteen phases of a scene per second, projecting as well as taking machines being designed with this object in view. Strictly speaking, however, when the animated subject is one situated only a few feet distant from the camera, and its movement is at right angles to the optical axis, a much larger number of phases are necessary. It is the distance of the object nearest to the camera which regulates the number of phases that ought to be taken every one second of time. There is, of course, some latitude in this respect, for just as no two individuals have precisely the same powers of colour perception, so in the observation of motion one will notice only a blur in a swiftly moving object, whilst another possesses the faculty of perceiving a chain of defined images, and will assimilate the whole into a perfect impression on the brain.

Our Patent Notes.

18,962. **Kinematographic apparatus.** Jeapes, W.C., 154, Charing Cross Road, W.C. and Bastie, P. H., Greenland Place, Camden Town, N.W., both of London.





In a kinematographic camera or projector, or in a film printing or perforating machine, the feeding or perforating pins *a*, which operate in the manner described in Specification No. 25,625, A.D. 1897, are now reciprocated vertically by a cam *n*, and moved in and out of engagement with the film by an eccentric *l*. The pins are secured to a plate *b* carried by a frame *g*, which is oscillated in its bearings *i*, by the eccentric link *k*. The pins pass freely through a plate *c*, which is reciprocated in its ways by a roller *d* engaging with the cam.

To our inventive Readers.

The Patents and Designs Act of 1907, which came into force this year on January 1st is pregnant with new points which should be carefully noted. Generally speaking, the new law is in favour of the inventor insomuch that the expenses attending applications for patent have been reduced. He should be careful to avoid making himself liable to fines, and this he can only do by observing the following conditions.

That the grounds of the Opposition to the grant of a Patent are modified by adding—that an application can be opposed on the ground that the invention has been claimed under an application which will, when granted, bear a date prior to that of the opposed application,—that the Patent relied on in support of an Opposition must not be more than 50 years old, and that the Specification does not properly define the Invention.

That extension of time for sealing Patents can be obtained.

That if a Patent is revoked on the ground of fraud, the true inventor can have a Patent granted to him bearing the same date as that of the revoked Patent.

That Petitions for extension of the term of Patents are to be presented to the Court instead of to the Privy Council, which alteration will render the procedure less expensive to the Petitioner.

That Patents of addition can be obtained for mere improvements, or modifications, expiring with the original Patent, and being covered by the annual taxes on the original Patent.

That the Comptroller's powers are increased in that he can, under the new Act, restore Patents on which taxes have unintentionally not been paid, doing away with the necessity of a special Act of Parliament; he can revoke Patents within two years of their date on grounds the same as in Opposition cases, and also after four years from their date, if the patented article, or process, is exclusively, or mainly, made, or carried out abroad.

That if patented goods be not marked as patented and with the number and year of the Patent, infringers may escape liability by pleading ignorance of the existence of the Patent.

That it is unlawful to add to contracts relating to the sale or lease of, or license to use, patented invention, any condition to prevent the use of anything owned by others, or to require articles not protected by the Patent to be acquired from the seller, lessor, or licensee, or his nominees.

That any such contract, or licence, can be terminated by three months' notice after the lapse of a Patent, or of all the Patents, to which it relates.

That patents applied for on or after the 1st January 1908 are not to be effected by publication in a Specification more than 50 years prior to the date of the Patent, or by a Provisional Specification of and date.

That a Patent is not invalid because the Complete Specification claims more than is in the Provisional Specification, provided the added matter was new at the date of the filing of the Complete Specification.

That goods must not be marked as patented after the patent has expired.

The British Cinema Co., Ltd.,
47, OLD KENT ROAD, LONDON,
Are prepared to
LET ON HIRE
FOR ONE WEEK
6,000 FEET UP-TO-DATE FILMS
For the Sum of Five Pounds.

WALTURDAW.

IMPORTANT.—We have made special arrangements to take the Cup Tie between Everton and Tottenham Hotspur on January 11th. Order at once.

Toilers of the Sea.

725 feet. £18 3 6 (Less 33⅓ %)

This is undoubtedly one of the most beautiful pictures of its kind ever taken, and was photographed during a 48 hours' trip on the finest steam trawler on the French Coast in the heaviest of seas. Our operator was singularly fortunate, as this proved to be the finest catch of herrings during the season. The interest is well maintained from start to finish. It is a magnificent picture, and in addition to being pictorially perfect is a highly educational subject. The fish can be perfectly clearly seen in the nets as they leave the water, also the millions of fish scales that cover the men and deck.

THE FOLLOWING IS THE ORDER OF SCENES:—

10 a.m. Leaving Boulogne Harbour.
Mid-day. Gale Blowing.
3 p.m. Throwing Out 3 Miles of Net.
8 p.m. Moonlight Scene.
Midnight to 9 a.m. Hauling in Catch.
10 a.m. A Welcome Repast.
11 a.m. Returning to Harbour. Scenes on the Quay.

Making of a Modern Newspaper.

650 feet. £16 5 0 (Less 33⅓ %)

The complete operation of producing a great daily paper—A newspaper office a hundred years back—Business offices—The City Editor and his Staff—The Advertising Department—Telegraph Room—"Setting" advertisements—Printing, etc., etc.

The Skirl of the Pibroch.

140 feet. £3 10 0 (Less 33⅓ %)

Tommy finds among the presents in his stocking on Xmas morning a toy set of bagpipes and a glengarry cap. He puts on the cap and parades the house, playing the pipes before anyone is up. The old lady on the first floor does not appreciate music, but father and mother find it goes to their toes and we leave them dancing on the bed. A comic with no padding and of good photographic quality.

—— New Testimonials arrive daily for the CINEMATOPHONE. ——

The "Walturdaw" Co., Ltd.,

—— 3, DANE STREET, HIGH HOLBORN, LONDON, W.C. ——

Telegrams: "ALBERTYPE, LONDON." Telephone: 4707 Holborn.

Round the Provinces.

The New Century Pictures at the Victoria Hall, Sunderland, have drawn crowds of people during the past week.

The St. Louis Animated Picture Co. closed their stay at the Ipswich Public Hall, on Saturday last.

The Irish Animated Picture Co. at the Rotunda, Dublin, has been attracting big audiences. The pictures are very well selected, and the music by the Repertoire Co. is of excellent merit.

The Exhibition of the Year's work of the pupils of the Aberdeen Deaf and Dumb Institute has just been concluded. An entertainment, in which tableax and a lantern exhibition occupied a prominent place was given to the pupils, in the Gymnasium.

The Paris Modern Theatre Co. have paid a first visit to Stoke Town Hall with the Pathe Passion Play as their headliner. While this subject is being shown Madame Gascoine sings suitable sacred music. There are also a number of comics and Walter Arnold's songs were frequently encored.

Though there are an extraordinary number of shows in Edinburgh, Mr. Ellis's picture entertainment at the Operetta House continues to draw large audiences. Ali Baba is the chief attraction, while A Thousand Miles Under the Sea, Victoria Falls and a Modern Zoological Garden also go well.

At the Palace, Swansea, the picture program includes The Despatch Rider, Doings of a Maniac, Up-to-Date Burglars, and My Main-Law is an Angel. The gramophone selections are also appreciated, while Miss K. Eaton and Mr. D. Richards amply provide the vocal part of the entertainment.

Beginning on Jan. 6th, the Premier Animated Pictures continued their successful run at the Central Hall, Colne, with the following program:—Esmeralda, Witch's Secret, Wonderful Motor Boats, The Miser, For a Woman's Sake, The Talisman, His Sweetheart When a Boy, and Veiled Beauty.

Gale and Polden's animated pictures have been at the Victoria Hall, Hanley. The performance had the usual naval and military flavour, the chief subjects being How the Navy Prepares for War, A Submarine Attack on Portsmouth Harbour, and Attack and Defence of Whale Island. The Reedham Orphanage Boys' Drill is also shown, and the entertainment concludes with Cinderella.

A large number of people were refused admittance to the Victoria Hall, Exeter, during the South African Co.'s visit with a picture program. Among the best films were Aladdin, Spanish Post Cards, Catch the Kid, and Kimberley Diamond Mines. The company also includes the Royal Italian Military Band, the Brothers Cavalotti and Mr. Robert Williams, who sings songs of his own composition.

The Modern Marvel Co. has paid a visit to the Queen's Hall, Edinburgh. The program includes Views of New Zealand River Scenery, Vesuvius during an Eruption, and Victoria Falls of the Zambesi. Motor Racing at Brooklands is also shown, and a pleasing interlude is provided by a shadow pantomime by Messrs. Wild and Randall.

The advent of the British Biograph Co. at the Yarmouth Hippodrome is a departure which promises to be highly popular. The grand piece of the first week's program was A Drama in Seville, the scene in the Bull Ring being uproarously received. For Love of a Smuggler is also immensely popular, and a good program of variety turns, which is interprised with the pictures and includes Jessie Star, the three Lloyds, Leo, and Babs Lloyd is also popular.

The Elphinstone Bioscope has opened a season in a tent at the Maidan, Calcutta. The long program includes Blacksmith's Revenge, Lady Singer's Romance, Views in Spain, Canadian Timber Industry, Ostrich Farm, The Fortune, They Would Play Cards, Two Fowls, A Bold Maid, Short-sighted Sportsman, Poor Little Pig, and the Stilt Race. Interspersed with the pictures were selections on the Auxetophone of songs by Melba, Patti, Caruso, Eames, Sembrich Scotti and others.

After the Christmas Dinner to 800 Poor Children at St. James' Hall, King's Lynn on Thursday last (to which His Majesty the King is a generous subscriber), an excellent entertainment was arranged by Mr. William Winch, manager of the St. James's Hall Entertainment Bureau, which concluded with an exhibition of animated pictures shewn by his "Hippograph," Professor Sydwil being the operator. The boundless enthusiasm of the youngsters as the "Rescue by Rover" was projected was remarkable.

Topical Pars.

Lantern Lectures of the Week.

Delivered at	Subject	Lecturer.
Burnley ..	... Lancashire to Mount Blanc (slides and kinematograph films).	W. H. Knowles
King's Lynn	... Canada	... Herr B. Preezer
Kidlington	... Ceylon	... S. M. Burrard
Blackburn	... Our Neighbours of Norway	W. R. Macgregor M.A.
Bakewell Workhouse	... Palestine	... Timothy Payne
Royal Drawing Society	... Observation Drawing..	... I. R. Ablett
Lancaster	... The Birth of Christ ...	.. T. E. Snowball
London Institution	... Open-air Geology ...	Prof. Grenville Cole

At the World's Fair, Agricultural Hall, Islington, Mr. W. Taylor's kinematograph show is one of the most popular side shows present.

Twelve hundred children attended a tea party at the Lambeth Bath, on Jan. 3rd, and Mr. Hurndall provided a kinematograph entertainment after the meal.

At the Royal Assembly Rooms, Raymonds have been showing A Christmas Dream, The Recruit (which immensely appealed to the many soldiers among the audience), Innkeeper's Wife, and Master as General.

A treatise on the kinematograph.—A new work in German on the kinematograph will appear, during the present month, from a Dresden paper, "Die Photographische Industrie," the editor of which, Herr K. W. Wolf Czapek, is its author. This is the first German treatise on animated photography.

A number of kinematograph films were used to give the children of London an idea of the Colonies, at the New Year's dinner at the People's Palace, Mile End, attended by 1,500 poor children of East London. The meal was paid for by the children of South Australia, through the *Adelaide Register*.

In the little town of Anna, near Valencia, an alarm was caused in a small theatre, where a kinematograph show was being given, through a short circuit occurring. Believing that a fire had broken out, the audience rushed in a state of panic to the doors. Two children were trampled to the ground and killed, several others being injured. Some of the men and children in the crowd were also hurt.

The wives and children of the coachmen, footmen, grooms and others of the King's servants were entertained at a New Year's party, last week, in one of the coach-houses at the Royal Mews, Buckingham Palace. The proceedings commenced with a substantial tea, of which about 150 women and children partook. Subsequently there was a kinematograph exhibition and a magic lantern display.

Bolton Fair.

At Bolton Fair there were gathered together many men-of-the-road and distinguished showmen. At the fair-ground itself was Kemp's Great Show, which was conspicuous for its fine advertising placards of Harry Lauder on the Gaumont Chronophone. Not far away was to be seen Capt. T. Payne with his exhibition of pictures, also shown by the Chrono. In the opposite corner was Col. Clarke, who was also using the Professional Chrono. At the Temperance Hall was Fenton Cross who, it might he remarked, did excellent business, also using the Professional Chrono; while at the Victoria Hall was Mr. Malden, of the Polytechnic Picture Tour, also using the Professional Chrono. It must be gratifying to the Gaumont Co. to find such evidences of the popularity of the Professional Chrono. Several instances where an aggregation of this character was noticeable might be quoted. Out of the nine picture shows running at Bolton Fair, on New Year's day, no less than eight were being run on the Professional Chrono. During New Year's day, Mr. Kemp did exceptionally fine business with the Chronomegaphone, with Harry Lauder as star. Mr. Kemp's show was undoubtedly most attractive from many points of view, the front being magnificently placarded with coloured bills with the popular "Harry" in the first place. An old device was hit upon for drawing attention during the dark hours of the evening: a very powerful search-light fitted with a strong lens, advertised Kemp's Great Show all over the fair ground after the fall of darkness.

The Hepworth Manufacturing Co., Ltd.

THE —

"Heptoic" Projector.

The Mechanism shown with large size Darlot Lens, Heat-Shield, Automatic Cut-off, Shutter, Spool Support, Automatic Take-up, Lantern Objective, with Flash shutter, Extra "Gate" Springs.

Polished oak sliding base, with massive brass swivel attachment, adjustable stops.

Large size Russian Iron Lantern with Polished Brass Slide Stage, Carrier-Grip, Telescopic Draw-Tube, Meniscus (Herschel combination) Condenser.

The Outfit complete, £33 6s. 8d.

Discount on Application.

New Hepwix Films.

NIAGARA.

No. 1727. Length 250 feet. Price £6 5s. 0d.

THE FAITHLESS FRIEND.

No. 1717. Length 500 feet. Price £12 10s. 0d.

Usual Discount.

The Hepworth Manufacturing Company, Ltd.,

15/17, CECIL COURT,

CHARING CROSS ROAD, LONDON, W.C.

Telephone 2451 Gerrard. Telegrams—"Heptoic, London."

The Dynamite Thrower,

or, A Detective's Heroism.

625 ft. Price £10 8s. 4d. nett.

An Intensely Interesting Drama, by Maison Ottolenghi, the Makers of the

Aquila Films.

The photographic quality is simply perfect, and this alone, we are confident, will ensure its success. The story is strong and excellently acted. The tinted effects are very beautiful, and add greatly to the charm of this thrilling film.

Copies sent on approval on application.

The Press daily describes the audacious attacks on trains by brigands in America.

In this film we witness the exploits of one of these bands, and the heroism of a detective who has declared war against them.

Having by a lucky chance discovered their den, the detective cleverly introduces himself amongst them, but he is soon found out and overpowered. The question: "What's to be done with the spy?" causes much discussion, but it is decided to delay vengeance until the execution of the next attack on a train; meanwhile the prisoner is firmly bound and locked up.

Left alone the detective tries vainly to break his bonds—one resource only remains to him, and he immediately puts it into execution: approaching the chimney, he puts his hands into the fire and the flames burn the cords with which he is bound.

The work of this hero is not yet finished; faint from loss of blood, he escapes in the direction of the railway, and extracts the dynamite cartridges put under the rails by the malefactors and falls unconscious by the lines as the express thunders past.

The brigands, furious at being baulked in their plot, advance to find out the cause, and seeing the detective they rush upon him to kill him, but the hero, gathering together his remaining strength, with a last effort throws down the dynamite cartridge and provokes a terrible explosion.

Only to be obtained from

WILLIAMSON & CO.,

27, Cecil Court,

Charing Cross Road, London, W.C.

Telephone:—7393 Central. Telegrams:—"Kinetogram London."

Cinematograph Specialists.

THE

GAUMONT COY.

Elge Films top the bill and form the Showman's leading lines.

There is a brisk demand for Elge Top Liners.

IF THIEVES REFORMED
And went on strike, what would then the world be like?

Essentially the finest and most amusing comic of the week. Original to a degree.

No. 1825. Length 595 ft. Price £8 18s. 4d. net.

The World's Champion Tenor.
No. 1815. Length 332 ft. Price £5 10s. 8d. net.

EXTRA SPECIAL.

CHRIST'S NATIVE NAZARETH.
The very thing for the Season. Historically and Traditionally True.

No. 1821. Length 212 ft. Price £3 19s. 6d. net.

The Adventures of a Roll of Lino.
An absolute travesty of Comedy.

No. 623. Length 335 ft. Price £5 11s. 8d. net.

A POOR MAN'S CHRISTMAS.
APPROPRIATE. TYPICAL. REALISTIC.

No. 1817. Length 876 ft. Price £14 12s. 0d. net.

How can I Escape?
No. 1725. Length 300 ft. Price £5 0s. 0d. net.

London of To-Day.
A picture of the finest quality, unique and interesting, thoroughly comprehensive in detail.

No. 601. Length 900 ft. Price £15 0s. 0d. net.

Music Hath Charms.
No. 1816. Length 490 ft. Price £8 3s. 4d. net.

EXTRA SPECIAL.

THE MESMERIST.
The finest of Comic Trick Films ever produced. Superbly staged in every detail. A winner right through. A perpetual laugh.

No. 1811. Length 495 ft. Price £8 5s. net.

Cheap Beer.
An entirely Original Comic.

No. 611. Length 242 ft. Price £4 0s 8d. net.

Baby Goes Balooning.
Fun to the finish. Must be seen and had.

No. 1726. Length 240 ft. Price £4 net.

ORPHAN BULL PUPS.
No. 632. Length 175 ft. Price £2 18s. 4d. net.

A Trip to Norway.
A wonderful production faithfully recording Norway's most beautiful spots.

No. 561. Length 665 ft. Price £11 1s. 8d. net.

FROM FOREST TO FIRESIDE.
The Making of "Lloyd's News." Stereoscopic Quality throughout.

Approximate length 1200 ft. Exact length and price on application.

The Fountain of Eternal Youth.
We are able to supply this grand production magnificently tinted.

No. 1654. Length 800 ft. Price £20 0s. 0d. (Usual discount, Extra for colouring, £7 net. Supplied in colours only.

NEW CLARENDON FILMS.

Little Waif.
No. 164. Length 400 ft. Price £6 13s. 4d. net.

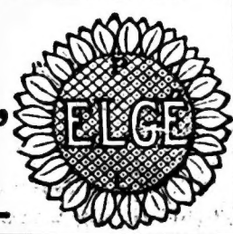
A Wet Day.
No. 163C. Length 275 ft. Price £4 11s. 8d. net.

Read this Advertisement, it will pay you.

Telegrams—**Chronophone, London.** Telephone—**2430 Gerrard.**

CHRONO HOUSE,
5 & 6, SHERWOOD St.,& 18, DENMAN St.,
0Ɛ— PICCADILLY CIRCUS, LONDON, W.

Paris, Barcelona, Berlin, Milan, Moscow, and Cleveland, Ohio, U.S.A.



Lanternists' Page.

LANTERN SLIDES IN SCHOOL.

The value of lantern slides for educational purposes cannot be over-estimated; and it is unfortunate that they have not been more universally adopted as a means of imparting genuine instruction.

Children learn more surely by means of sight than by hearing. Our school-books are interspersed with illustrations, many of which give only a crude notion of actual scenes. The lantern slide, however, shows the real, the true, and the actual.

One of the main barriers to lantern-slide work for teachers has always been the dark room. This I know from experience. When a teacher has been at work in school from 9 a.m. to 4.30 p.m. he does not enjoy another two hours before a dim ruby lamp.

Teachers' evenings in winter are lengthy; and those who have cameras and desire to make lantern slides under pleasant home conditions need hesitate no longer.

The Ilford Gaslight Lantern Plate solves the teacher's difficulty exactly. After a hard day's work he is fond of fireside comforts. He can enjoy these to the full and be making lovely lantern slides at the same time. There is no worry, no mess, no difficulty, all is straightforward, and with two quarter-plate dishes, one for the developer and one for hypo, he may spend an agreeable and profitable hour.

Expose the plate to the ordinary gaslight for 40 secs., at a distance of 10 in., and develop for half a minute, taking care not to have the dish in the direct glare of the light. Rinse in a small basin of water, and transfer to the fixing bath for 10 minutes, when the slide is completed. A dozen can be made within an hour; these are then placed in a washing-tank and are ready for exhibition on the following day.

Since the advent of the Ilford Special Lantern Plate many years ago, it has been my privilege to use them continuously. The new Gaslight Plate comes as an additional means of producing equally good slides without the necessity of a dark room.

The lantern lightens the burden of a teacher; it brightens the school life of the pupils; and makes the knowledge imparted better in quality and quantity. If any readers have not tried the lantern in their schools as an aid to instruction and regular attendance, let me urge them to make the experiment. There can be no two opinions as to the practical result.

For general class purposes an ordinary oil-lantern will suffice; the lamp may contain three or four wicks; good paraffin must be used, and two cubes of camphor, well pulverised, should be added to the oil-reservoir.

Appoint an older boy as monitor to see to the cleanliness of the apparatus generally. He will be delighted with his duties.

Have a good long chimney to the lamp, so as to allow of a substantial flame with little smoke. Children soon suffer if the atmosphere of a room becomes vitiated.

A large image is not at all necessary; 6 feet in diameter is ample and provides a wealth of detail, without the blur of excessive enlargement, which would appear to pupils sitting close to the screen. Erect the lantern on a stand and have the condenser perpendicular—not tilted. Wedge the slide-holder in front of the lantern to make it quite firm while moving the slides to and fro. Place the slides, carefully prepared, in a box, and instruct the monitor how to put them in the holder. It is a capital plan to have two monitors at work; one takes the slides from the box in succession and hands them to his colleague, who manipulates them in the slide-holder.

When once the lights are set burning they will require no further attention during the lecture.

It is not by any means essential that lantern work should be confined to the darkest hours of the twenty-four. All we need do of an unusual character is to draw the window-blinds of the room, and add darker curtains to the windows near where the map-screen will be suspended. It will be clearly understood that the darker we can get the room the more distinct will be the picture; and to this end it is well to select a special room, distinguished as the "lantern-room," for the express purpose, and to have extra curtains, of dark-red or blue flannel, suspended in front of the blinds. When this room is not being used for lantern lessons, the blinds can be raised and the curtains hooked to the sides of the windows.

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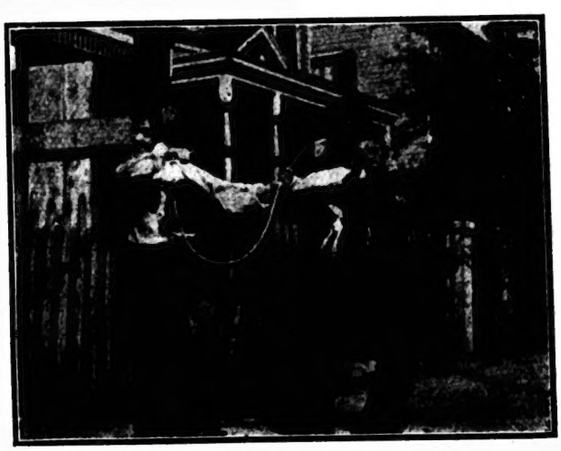

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Review of Latest Productions.

If Thieves Reformed and Went on Strike, What would Then the World be Like, is the title of an amusing Elgé subject, which illustrates some of the possible effects of the catastrophy indicated in the title. In the opening scene we have a large concourse of all kinds and conditions of thieves, from the gentlemanly thief down to the lowest type of ruffian. They have met together to discuss the moral tendencies of their calling, are severely harangued by several typical men, and a resolution is unanimously passed that they shall go on strike. One of the first effects of the strike is to throw out of employment the police force and magistrates, lawyers and solicitors. A government official is seen distributing discharges broadcast among the policemen and court officials. These gentry, in turn, hold a meeting to consider the question of their daily bread and butter. They are at a loss to find a solution to the problem, when one of their number volunteers to load himself with plate and jewellery and make his way in among the thieves. This he does, but the ruse does not work, for the thieves will not be turned from their purpose, and when the old boy falls among them scattering the precious articles in every direction the gentlemen of the crow bar and skeleton key gather up the articles and force them on him once more, and he has to return and report failure. As a last resource the ladies decide to try their charms on the obstinate men, sally forth *en masse* and find the thieves at sundry harmless employments quietly amusing themselves. The result of the day's mission is successful, and one thief is so far dishonourable as to listen to the voice of the charmer and steal, before the very eyes of the law. For this he is promptly arrested. The final scene shows the interior of the Court once more, where all is bustle and animation. In rush the constables bringing their prisoner with them. He is placed in the dock, where the lady makes the farce of giving evidence against him. He is the recipient of a shower of tokens of affection from the many ladies present, and the picture ends in a scene of chaotic confusion indicating the highest spirits amongst all concerned.

Gaumont's are also responsible for Baby Goes Ballooning. Baby is a chubby little boy who is being taken out by his nurse. His attention is attracted by a large bunch of highly coloured air balloons which the vendor temptingly holds within his reach. Baby grabs a string, and while nurse turns to bargain with the balloon man the balloons carry baby high in the air above the houses and tree tops. Nurse is struck with consternation. The balloons carry baby over hill and dale, while, as near as possible, nurse and the balloon vendor follow on *terra firma* and flounder through streams and water puddles. Their efforts to regain baby are futile till a gamekeeper comes to their aid with his gun and fires into the balloons, bursting them. Baby then descends on to some tree tops. From this perilous position he is eventually rescued by his nurse, the balloons return to their owner, and the picture ends with nurse and the baby executing a frolicsome dance.

The Walturdaw Co. announce that they have now completed the arrangements for taking the Cup Tie at Everton between the team of that name and Tottenham Hotspur on Saturday and for supplying copies quickly. Orders should be placed now for this film.—This company's issue for the week is a short comic called "The Skirl of the Pibroch." The picture opens in Tommy's bedroom on Christmas Eve as his mother is packing a pillow case full of presents. The boy is awake early in the morning and quickly finds a toy set of bagpipes and a Scotch cap. He puts on the cap and begins to parade up and down the bedroom playing the pipes, afterwards continuing his promenade on the landing to the annoyance of an old lady lodger, who attacks him with a pillow. The scene then shows the interior of another bedroom occupied by a middle aged couple who are so affected by the music that they take to dancing on the bed and fall through the floor on to a table on the floor beneath where a lady and gentleman are dining. The film is very steady and clear throughout.

Williamson & Co. have this week another film of Messrs. Ottolenghi, Turin, with the title "The Dynamite Throwers." Like the previous subject of this make issued the photographic quality is good, and the story an interesting and exciting one. The hero is a detective, who, disguised in the clothes of a ruffian brought before him by his subordinates, introduces himself into a meeting of Dynamiters, as they are plotting to wreck a train. He is discovered, and left bound in the den, and the criminals go out. The detective releases himself by burning the bonds from his hands at the fire, and gets to the railway just in time to remove the dynamite cartridge, which has been placed on the rail, the express thundering by just as he flings himself clear of the rail. The dynamiters then rush up, and attack the detective, but the latter seeing that he cannot escape, throws down the cartridge and the resultant explosion brings down both the robbers and himself. The actors sustain their parts well and several of the situations are particularly effective, especially that on the railway representing the hero's narrow escape from the oncoming express.

The Hepworth Manufacturing Co. are putting out two fresh subjects this week, one entitled The Faithless Friend and the other Niagara. Faithless Friend opens with a view of a bedchamber in which a rich man is at the point of death. Relatives and friends gather around. Amongst the friends is a man of an evil mind who schemes to get hold of the rich man's property. With the aid of a confederate he plans to get hold of the young son and heir, and demands that he shall reveal the place of the dead man's will. The young son at first refuses, but eventually gives in under pressure of flogging. He is compelled by the faithless friend to destroy the genuine will of his father and to sign a forged one made out in favour of the faithless friend. A scene is then shown in which the schemester is in full possession of the rich man's property, and he is seen drinking wine in the gorgeous apartment of the late proprietor. The walls are hung with ancestral portraits and groups of family personages. The fraudulent possessor of the apartments is overcome by his excessive drinking and falls back in his chair delirious. He now dreams dreams and sees visions. One of the figures in the pictures steps down out of the frame on the wall, walks up to the drunken scoundrel and touches him on the head. He immediately starts up, when to his horror all the persons represented in the pictures upon the wall become invested with life and animation. They all jump down into the room and proceed to torture the faithless friend, subjecting him to all sorts of rough usage. A skeleton in a recess also becomes animated, and the whole scene is one calculated to drive the faithless friend out of his senses. At this point the true heir to the estate rushes into the room, and the people from the picture frames take up their inanimate position in the twinkling of an eye. The man who has falsely become possessed of the property repents as the plot ends. The subject is full of clever tricks well executed, and we predict a wide sale such as it deserves.

Niagara, by the same firm, consists of a beautiful panoramic view showing the approach to the falls by rail. As the train takes the various curves there is a marked effect of relief, the large boulders of rock and the trees standing up as isolated objects, whilst a fine view of the rapids below the falls is obtained. Presently a distant view of the steel bridge spanning the rapids is gained. This remains in view for a considerable time, whilst it grows in magnitude as the falls are neared. Finally the magnificent spectacle of the falls is reached, and

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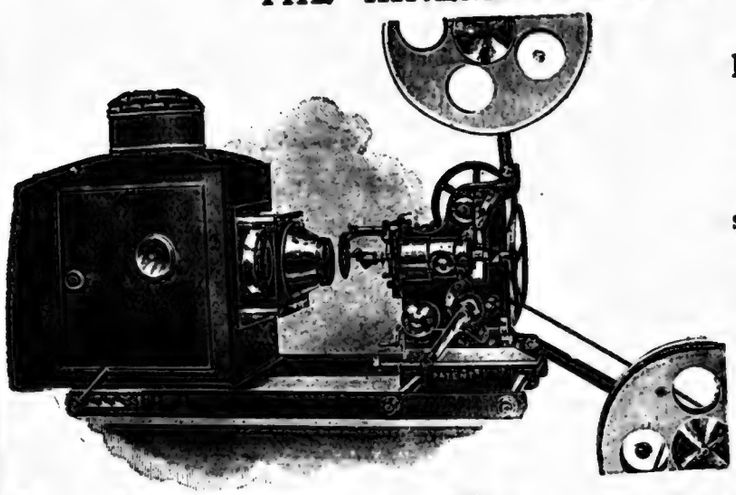

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the view given is one of awe-inspiring splendour. The spray is hurled up in clouds, and as the waters dash forward one can almost hear the rushing sound in imagination. The film is very fine in tone, with a slight mistiness typical of nature.

The Edison Co. of New Jersey, U.S,A. send us details of a new comic called "College Chums." One of two friends proposes, and is accepted, and in a little while is caught flirting in the park with another young lady, He attempts to explain that the other girl was his sister, without much success, and his fiancee announces her intention of going and visiting the sister. The hero is in a dilemma; but at last persuades the friend to dress up as the sister in question, and he is introduced in his new character to the young lady, when she arrives. The remainder of the film is taken up with a series of amusing escapades of the sham young lady, who makes love to the uncle of his friend's sweetheart, and is soon engaged in feminine confidences with the young lady herself, to the great jealousy of her lover, who is discovered beating his supposed sister by the young lady and given his *congé*

The Charles Urban Co. have three good film subjects this week. The first, entitled Juvenile Scientist, is a comic. A mischievous youth of the type described in "The Bad Boy's Diary," is seen in a drawing-room putting a dog and a cat into a piano. His big sister and her fiancé appear on the scene later, and eventually decide to have some music. The lady starts playing the accompaniment to a song which the fiancé attempts to sing. No sooner has he started, however, than strange sounds issue from the pianoforte. Both musicians are horrified by the mysterious affair, but after a time the gent sums up courage and proceeds to investigate the diabolical instrument. On opening the top, out jump the cat and dog. The bad boy is next seen experimenting in his amateur laboratory, making sundry explosives. He also prepares a beautiful bunch of flowers, and puts a lot of soot on the underside of the leaves. This he presents to his big sister in the drawing-room, and as she is about to have another visit from her fiancé, she is highly delighted with the gift. She revels in the lovely scent coming from the blossoms, and presses her face into the nosegay. This, of course, has the effect of depositing the soot over the girl's face. Utterly unconscious of this she receives her lover, who is greatly amused at her appearance. When she discovers the nature of the joke she vows vengeance on her young brother, who comes into a thrashing for his pains. Undaunted, however, the mischievous youth proceeds with his trickery. He is seen preparing an egg in which is deposited an explosive compound. He slips into the breakfast-room of the gentleman before mentioned and exchanges a real egg for the make-up. Next the gent is seen at his breakfast, and as he proceeds to crack the egg there is an explosion so great in force that a hole is blown through the wall of the house, through which he is bodily shot into space. A view of the boy enjoying the joke is now shown, where he is seen looking through a telescope at the unfortunate man, who is seen flying through the air over the city, turning many somersaults in his progress through space. Eventually he drops to *terra firma*, only to crash through the roof of a farmer's fowl house, The farmer adds to the unfortunate's discomfort by chastising him for the damage done to his fowl house. The boy is seen again watching with glee through his telescope the adventures of the victim of his plot. Next we have an enlarged view of the face of the man who has gone through the rough usage, and extreme annoyance with apparent pain are depicted on his features. The bad boy is hunted up, caught, severely beaten and then cast through the hole made by the explosion of the egg in the wall of the apartment. This brings to a close a clever combination of trickery and a film brim full of fun and incident.

"His Daughter's Voice," the second film of the week by the Urban Co. is of a pathetic nature. A blind violinist and his little daughter are seen entertaining a crowd in the street. A musical artist in the crowd is struck by the fine quality of the girl's voice. He gives them money and offers further inducement to the old man, to allow him to have the girl's voice recorded on the gramophone. This operation is duly carried out, and the father and daughter are again seen in the street at their usual begging occupation Near where they are standing is a row going on. Presently the girl attempts to quiet a man who appears to be the chief cause of the disturbance.—The rough immediately abuses the would-be peace maker, knocking her down with a severe blow in the face. The girl is tenderly taken away to the nearest hospital, whilst the drunken sot is mobbed—chased, and ducked in the river and finally taken into custody by an able limb of the law. The next scene shows the interior of the hospital where the girl is in a cot, in a critical condition. She is visited by her blind father, and whilst he is in her presence she expires greatly to his grief. The poor old man feels that life is not worth living without the presence of his little daughter. He would give worlds to have her back.—He suddenly remembers that her beautiful voice had been recorded on the gramophone, and determines at once to visit the place to hear his daughter sing again. He arrives at the gramophone works, where the manager willingly provides for him the object of his visit. He listens to the song of his loving daughter once again, and when it is finished, the truth, that she is no longer alive comes home to his heart with such force and anguish to his mind, it is too much for him and he drops dead upon the floor. As he expires, there issues from the horn of the gramophone the spirit of his little daughter in the form of an angel. She hovers over the dead man's form a few moments and then dissolves away. The technical quality of this film is excellent, and the plot is one likely to create emotions—it is a pathetic tale with a sad ending, although it may perhaps be assumed that both father and little one arrive safely in the land of peace.

The Urban Co. also issue, this week, Modern Methods of Horticulture. In an abstract sense this is a film series of an educational nature. We are first shown a potato field, in which the ready crop is being excavated from the soil by a steam digger. Potato gatherers follow behind collecting into baskets the unearthed vegetable. Baskets of potatos are emptied into carts and the carts deposit the product in heaps. To shelter them from frost, straw is strewn over the heaps. Next comes a view of a flock of sheep (lambs) being driven across a field. The photographic quality and the accuracy of animation of this scene is remarkable. It is a very pretty picture of shepherding. The ploughing of a field is shown, in which three or more hand ploughs drawn by horses, pass across the view. This is followed by the modern steam plough, which clearly demonstrates with what greater speed the operations may be carried out through the medium of this invention. Drawing a machine across a field by connection with power from a stationary steam engine, is also shown. Bulls and calves passing through a gate to the farm. The operations of a steam reaping and binding machine, loading and elevating corn, thrashing and grinding. To watch this film is like spending a day in the country, so realistic and faithfully recorded are all the scenes depicted.

"Laughing Gas" is issued by the Vitagraph Co. A youngster enters a factory where the gas is manufactured and after experiencing its effects himself makes off with a cyclinder and applies the gas to everyone he meets with results in some degree similar to those so graphically depicted in this firm's Liquid Electricity. In the present subject the application of the gas has the effect of sending the victims into paroxysms of laughter. The first person treated is an Italian pea nut vendor, the boy helping himself freely to the nuts while the real owner is laughing heartily. Next the youngster visits a house where a wake is in progress. Directly the gas is released the mourners forget their character and shriek with

laughter, while as a climax, the corpse rises from the coffin and dances round the room. The next victim is an Italian woman carrying a bundle on her head. A dose of the gas brings on an attack of hysterics, the bundle falling and scattering pots and pans in every direction. Further along the street a cripple, propelling himself along on a barrow, is so affected that he forgets his character and gets on his feet. After treating a coloured man with a suspiciously bulky jacket and so revealing that he is carrying off a couple of chickens, the youngster goes home and finding his father and mother quarrelling applies the gas with the result of making them laugh heartily.

The Vitagraph Co. are also exploiting a sensational and pathetic story called The Need of Gold. The scene of this story is a mining camp in the Far West. A miner lies in his cabin deadly sick. He is attended by his pretty daughter, and the latter is driven to desperation by the lack of means to properly attend him, both the cupboard and the money bag being empty. To get money the girl determines to "stick up" the stage coach, dresses in a cowboy costume and successfully accomplishes her purpose, afterwards riding away on one of the cowboy's horses. A number of cowboys have, however, been put on the track of the robber, and succeed in capturing her. A brief trial is held and the prisoner is then led out to a tree, whence dangles a rope. The law is about to take its course when the robber's hat falls off, and her long hair reveals her sex. She relates her story to the cowboys, and the latter accompany her to the hut, find the story true and pass round the hat in the approved style, leaving the hut reverently after piling the gold on the table.

One of the best selections of films issued this week is that of the Warwick Trading Co., who showed our representative three subjects, all of them out of the common. Two are further additions to the series of Brazil pictures, of which the first was issued last week. These are A Visit to Chaco, and M. Kobelkoff, the Armless and Legless Wonder. The first admirably illustrates the difficulties of travel in countries where roads and railways are alike lacking to carry one over river, swamp or prairie. The progress to Chaco is largely a question of continually fording rivers, crossing swamps and avoiding prairie fires. In several instances the horses of the three travellers who are shown have to swim with their riders, in others they are sunk up to the horsemen's knees in mud and water. The film has also an interesting glimpse of a prairie fire, a series of prettily tinted water scenes in which a number of storks or similar birds are prominent, and a picture of a native encampment at the dinner hour and of a native horseman.

M. Kobelkoff is a gentleman who has lost both arms and legs, but the film shows that he feels the loss of neither very acutely. He is illustrated painting, writing, eating and drinking, and fishing, and his dexterity at all of these pursuits appears to be rather greater than that of the average person with all his limbs. The fishing scene is particularly striking.

The Warwick Co. have also a picture of Reindeer in Lapland. This subject includes a series of views of the quaint native bark tent with a fire inside and a hole in the roof to let out the smoke, besides pictures of a herd of reindeer, the milking process, lassooing a reindeer, etc.

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VIEWS AND FILMS INDEX.

(PUBLISHED WEEKLY.)

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Evening Paper Production on the Bioscope.

The mysteries of newspaper production can at this time of day hardly be called mysteries any longer, for this fascinating business has received greater attentions from the kinematograph trade than probably any other. We believe that the credit for first realising the possibilities of a film of this description must be given to the Urban Co., which photographed the *Daily Mail* departments several years back. Since then a number of films of a similar nature have been issued. The Gaumont "From Forest to Fireside," and the Urban Co.'s second effort "Seymour Hicks edits the *Tatler*," will readily be recalled, while Lubin's (of America) issued "The Making of a Modern Newspaper" a week or two ago, and the Walturdaw Co. are now exploiting it in England. The Warwick Co. were entrusted with the taking of a film now in the Coliseum program showing the making of the *Football Star*, and this subject seems entitled to rank with the best of the same character previously issued. The processes connected with an evening newspaper are naturally slightly different to those of a daily, and this subject vividly illustrates the race against time necessary to place the *Star* on the street, with a full list of results, three minutes after the matches have concluded.

The film opens on a football ground where we see a reporter dictating his account of the play, direct to the office from the press box by telephone. Then we are shown the other end of the wire, where other reporters write out the telephoned report. We follow the copy to the linotype room, see it set up in type, next watch the casting process, and following that the printing of the paper by huge machines. Rows of messenger boys and numbers of motor-cars, carts, bicycles, etc., wait for the paper and hurry off with their copies, and the final scenes show the paper on sale in a remote suburb and a footballer bursting into a room to tell his father he has won his match and to be told that the paper has forestalled him.

We understand that this subject is not at present on the market.

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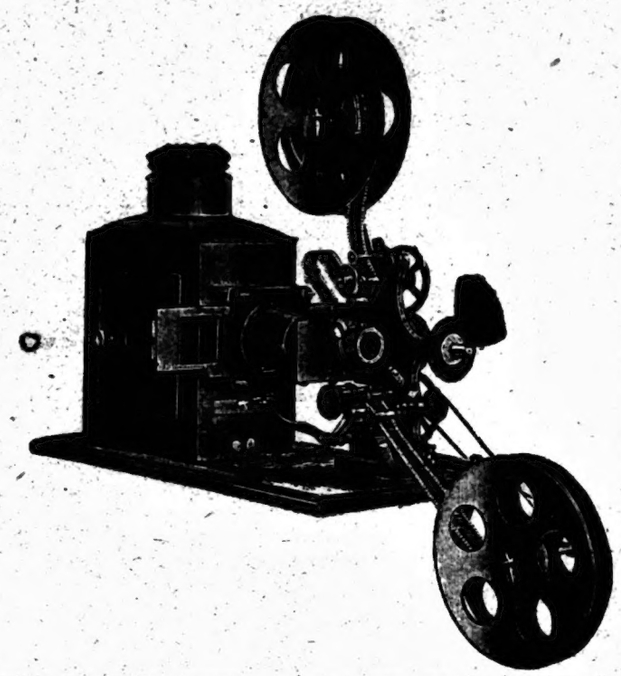

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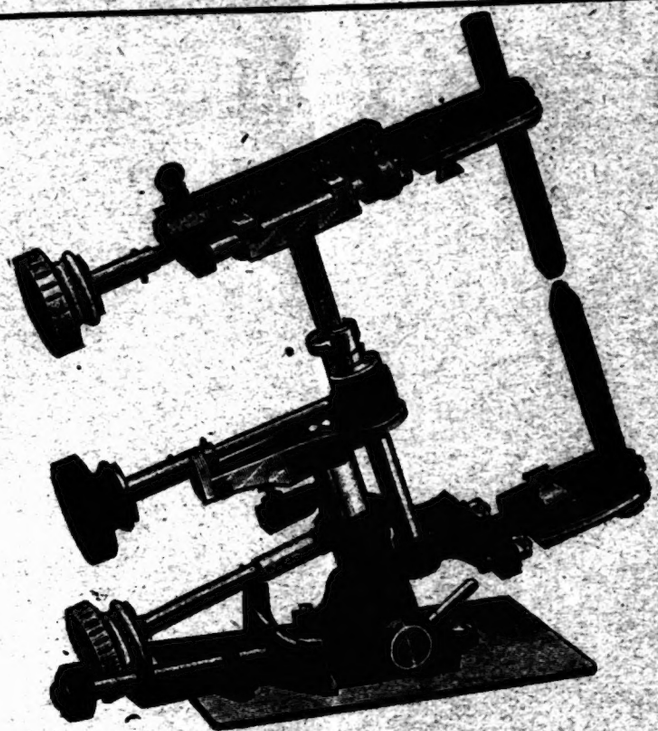

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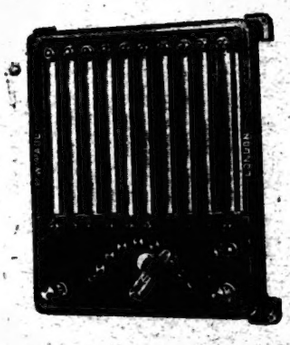

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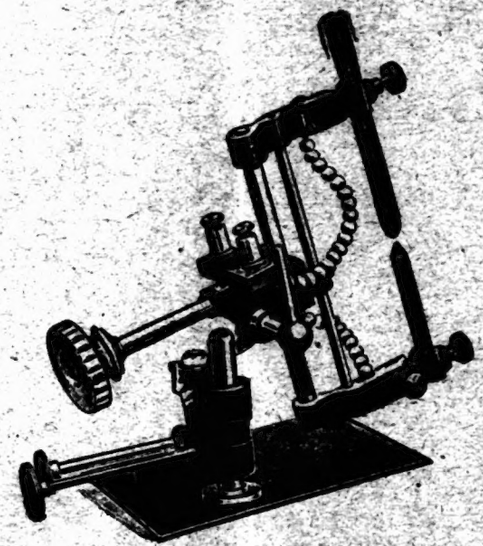

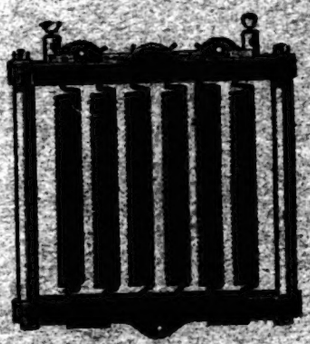

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